
Useful Mobile Application for Internal Stakeholder of Higher Education: A Case Study of St. Xavier's University, Kolkata

Stephen. G

Assistant Librarian i/c Law Library
St. Xavier's University, Kolkata
stephenlisp@gmail.com

Abstract

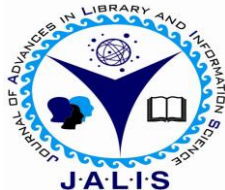
Many people view their mobile device as an extension of themselves because mobile devices have become so personalised. Over the past ten years, there has been ample documentation of the exponential development in the use of digital technologies and the accessibility of mobile software applications (apps). The literature on the use of mobile technology in higher education shows that rather than how mobile applications may be utilised for either teaching or the research process, there is a growing focus on how mobile devices are used within the classroom setting, both physically and virtually. The purpose of this paper was to elaborate the mobile app and its specific features, mobile app and its use of library users, Open-source mobile app to access the electronic resources, advantages to use the mobile apps for education, list of educational mobile apps consists E-resources and especially various apps using by the Fr. Arrupe Central Library Users in St. Xavier's University, Kolkata.

Keywords

Mobile app; Mobile devices; pocket library; e-resources; Open Source; SXUK library

Electronic access

The journal is available at www.jalis.in
DOI: 10.5281/zenodo.8054085



Journal of Advances in Library and Information Science
ISSN: 2277-2219 Vol. 12. No.2. 2023. pp.87-97

Introduction

Instead of being designed for use on desktop or laptop computers, a mobile app (or mobile application) is a software programme created expressly for use on small, wireless computing devices like smartphones and tablets. According on whether they are web-based or native apps, which are designed expressly for a given platform, mobile apps can occasionally be divided into two categories. Web and native app components are combined in a third category of apps called hybrid apps. Mobile apps are a crucial component of most people's everyday life in the current digital era. Mobile apps are essential to how we connect with technology across social networking, entertainment, business, and productivity. Specific mobile operating systems, such as iOS, Android, and Windows Phone, are required for certain mobile apps to function. When a mobile app is downloaded and installed on a device, its memory is retained, and the operating system of the device is used to launch it. An app for a mobile device can access the hardware and services of the device, such as the camera, GPS, and internet connection, by interacting with the operating system and other built-in software components when the user launches the app. The app uses this data to deliver the user with its specialised features and services.

Special Features of a mobile app

The following is a list of some mobile app features: Mobile applications are software packages or groups of programmes that operate on mobile devices and carry out specific activities for the user. The usefulness of the app is that it eliminates the need to use a web browser in order to access particular information or services. Any mobile app should strive to be as simple as possible for library patrons. A mobile app should have an easy-to-use user interface, a straightforward registration process, and authentication. Remember that a mobile application's major feature. The easiest method should be used to access all of the stuff. Give customers the freedom and security to complete every task, and you won't lose them. That is what sustains and popularises mobile applications. Good app performance. Users should not have to wait for slow-loading websites or applications. However, problems like this are typically examined by quality control, which is a step in the creation of intelligent mobile applications or software. The primary focus of any software application is security. Many mobile users have security-related issues, which are crucial to many

apps. It is one of the initial subjects that you and software engineers will address. Private user information breaches are not permitted. One of the main problems is the lack of support and updates. You must think about support and updates if you want to create a lasting app. upkeep of the server. Make sure the information in your material is current and pertinent. An vital component of any software programme is analytics. Including analytics in your mobile app is a crucial step for developers of mobile apps. This feature enables user tracking and provides comprehensive information on user information-seeking activities. This information may help you decide how to improve the app.

Mobile App and it uses for the library users

For library patrons, a mobile app can provide a variety of features and advantages to improve their library experience. Here are a few typical applications of a mobile app for library patrons:

- ✚ Catalog Search: Users can find books, eBooks, audiobooks, and other items in the library's collection using the app, which can offer a user-friendly interface for searching and browsing the catalogue.
- ✚ Account Management: The app allows users to manage their library accounts, including checking due dates, renewing items, putting holds on them, and keeping track of their reading habits. They can also be informed when holds are available for pickup or when due dates are approaching.
- ✚ Digital Library Access: The app can enable simple access to these items if the library offers digital resources like eBooks, eAudiobooks, or eMagazines. Digital content can be browsed, borrowed, and downloaded directly to users' devices.
- ✚ Book Recommendations: Personalised book recommendations can be provided by the app based on user reading interests and history. To aid customers in finding their next favourite book, it can make suggestions for related novels, fresh releases, or well-liked books across a variety of categories.
- ✚ Virtual Library Card: Users won't need to carry physical library cards around because of the app's ability to equip them with virtual ones. Using the self-checkout machines in the library and accessing online resources are all made possible by this feature.
- ✚ Events and Programs: Through the app, users may keep informed about library

events, workshops, author lectures, and other programmes. They can read event information, sign up for classes, and add events to their calendars so they can easily remember them.

- ✚ Reading Lists and Book Reviews: The software enables users to make personal reading lists, keep track of the books they intend to read, and rate and review books that they have already read. To receive advice or ideas, users can also read reviews and ratings from other library patrons.
- ✚ Location and Availability: The app can offer details about the library's location, hours of operation, and driving instructions. In order to better organise their library visits, users can now instantly check the availability of specific books or items.
- ✚ Interlibrary Loan: The app can make it easier to borrow materials from other libraries if the library uses interlibrary loan services. Requests for books or articles can be made by users, who can also keep track of their progress and get alerts when the desired goods become available.
- ✚ Communication and Support: The app can act as a medium of contact between library personnel and patrons, enabling patrons to submit suggestions, express their opinions, or seek for help straight from their mobile devices.

These are just a few instances of how a library user's mobile app could be useful. Depending on the resources, alliances, and technological capabilities of the library, the specific features and functionality may change.

Open-source mobile app to access the LMS activities

Library users can access e-resources using a variety of open-source mobile applications. Here are a few well-liked choices:

- ✚ OpenAthens: Secure access to online resources is made possible through the open-source authentication system known as OpenAthens. It provides users with the option to access their subscribed electronic resources while on the go through the OpenAthens smartphone app. The software offers customers a seamless experience and supports single sign-on.
- ✚ Koha: An app for mobile devices called Libki Mobile is available as part of the open-

source integrated library system Koha. Libki Mobile can be configured to offer access to e-resources even if its primary focus is on handling library public computer reservations. Users can log in, browse the resources, and access them from their mobile devices using the app.

- ✚ VuFind: An open-source library discovery portal is called VuFind. It can be modified for usage on mobile devices even though it is primarily intended for web-based access. In order to enable access to their electronic resources and make it mobile-friendly, libraries can customise the VuFind interface.
- ✚ Coral Mobile: An open-source system for managing electronic resources is called Coral. Although Coral doesn't have a dedicated mobile app, mobile users can still use its responsive online interface. Through their mobile browsers, users can instantly log into Coral and access the electronic materials to which they have subscribed.
- ✚ Open Source Discovery Apps: Open-source discovery apps like Library Simplified and Biblionasium are available and can be modified to offer access to e-resources. The user experience at the library will be improved by these apps, which also provide users with access to digital content.

It's crucial to remember that while these apps offer a foundation for using electronic resources, they might need to be customised and integrated with the systems and subscriptions of your particular library in order to work properly. Working with an experienced developer or development team will be beneficial in putting these open-source solutions into use and tailoring them to your library's particular requirements.

Advantages to use the mobile apps for education

There are many benefits to using mobile apps in education that can improve students' learning outcomes. Here are a few significant benefits:

- ✚ Accessibility: Students have access to instructional resources anywhere, at any time, thanks to mobile apps. Whether they are at home, on the go, or in a classroom, they may learn at their own pace and convenience. This accessibility encourages lifelong learning and takes into account various learning preferences and styles.
- ✚ Personalized Learning: Mobile apps can provide individualised learning opportunities

catered to the need of certain pupils. To address the strengths, weaknesses, and learning objectives of each student, they are able to offer adaptive learning pathways, interactive content, and personalised evaluations. Improved engagement and comprehension from personalised learning result in better academic results.

- ✚ Interactivity and Engagement: Interactive components like quizzes, games, simulations, and multimedia content can be included in mobile apps. These elements increase learning's interaction and engagement, encouraging participation and in-depth knowledge of the subject. Mobile apps' interactive features might encourage peer-to-peer learning and collaboration as well.
- ✚ Multimedia Learning: Videos, animations, audio recordings, and interactive visualisations are just a few of the different multimedia formats that mobile apps can provide content in. This multi-modal strategy encourages students to learn in a variety of ways and improves their ability to understand difficult ideas. Learning can be made more engaging and remembered by using visual and aural components that can improve comprehension and retention.
- ✚ Real-Time Feedback and Assessment: Mobile apps can offer quick evaluation and feedback, enabling students to monitor their development in real-time. On tests, assignments, and practise exercises, they can get immediate feedback, allowing students to spot problem areas and make improvements right away. Real-time feedback encourages self-evaluation, introspection, and ongoing development.
- ✚ Collaboration and Communication: Students and teachers can collaborate and communicate more easily thanks to mobile apps. Students may engage, share ideas, and collaborate on assignments thanks to features like discussion boards, chat features, and collaborative projects. These group activities encourage communication, critical thinking, and teamwork.
- ✚ Organization and Time Management: Students who use mobile apps can better manage their time and stay organised. They can offer resources for organising chores and assignments, setting reminders, making schedules, and setting goals. These attributes

encourage more effective time management, lower procrastination, and boost general productivity.

- ✚ Access to Vast Resources: Students can access a variety of educational resources via mobile apps, such as electronic textbooks, research materials, online libraries, instructional films, and interactive learning modules. Students can delve deeper into their areas of interest while exploring a variety of topics and accessing the most recent information.
- ✚ Continuous Learning Support: Access to educational resources, material, and learning communities is made possible via mobile apps, which can facilitate ongoing learning outside of the classroom. In addition to reviewing prior lectures and engaging in self-directed study at their own pace, students can access supplemental materials.
- ✚ Cost-Effectiveness: Comparing mobile apps to conventional educational materials, cost-effective alternatives are possible. Physical textbooks, workbooks, and supplemental materials may not be as necessary. Additionally, as mobile devices become more accessible and affordable, a wider spectrum of students will find mobile learning to be a feasible alternative.

These benefits show how mobile apps can change the educational process, making it more interesting, individualised, and available to students. The potential difficulties and restrictions must be taken into account, though, and include things like the requirement for dependable internet access, device compatibility, and adequate content quality and security.

List of educational mobile apps consists E-resources

The following is a list of some mobile educational apps that give users access to e-resources:

- ✚ Khan Academy: Khan Academy provides a vast library of video lessons, drills, and tests in a variety of areas, including maths, physics, the humanities, and more. For self-paced learning, the app gives users access to a multitude of instructional resources.
- ✚ Coursera: Online courses from prestigious universities and institutes are available through the website Coursera. The smartphone app gives users access to numerous courses covering a variety of

subjects, including video lectures, readings, homework, and discussion boards.

- ✚ Duolingo: A well-known language-learning programme called Duolingo provides interactive lessons, vocabulary practise, and quizzes in a variety of languages. The programme offers a gamified method for learning languages and has online tools like interactive activities and audio recordings.
- ✚ TED: The TED app gives users access to a sizable library of TED Talks, which are presentations by luminaries from a variety of fields that are meant to inspire and provoke thought. The talks cover a wide range of subjects and offer helpful e-resources for education and understanding.
- ✚ Quizlet: An app called Quizlet provides study games, quizzes, and flashcards for a variety of topics and courses. It is an excellent tool for learning and reviewing because users have the option of creating their own study sets or accessing sets that have already been uploaded by other users.
- ✚ Wolfram Alpha: A computational knowledge engine called Wolfram Alpha offers solutions and justifications for questions on a wide range of topics, including arithmetic, science, engineering, and more. The app provides access to a multitude of e-resources and can aid in grasping difficult ideas and problem-solving.
- ✚ Libby: Libby is an app that links to the electronic resource platform of your neighbourhood library, giving you access to its collection of eBooks, audiobooks, and digital periodicals. It offers a practical method for downloading and reading electronic content on a mobile device.
- ✚ National Geographic Kids: The National Geographic Kids app provides instructional content on a range of subjects, including science, wildlife, geography, and culture. It also includes quizzes, movies, and interactive activities. It offers young learners interesting online materials.
- ✚ Photomath: With the help of the math learning software Photomath, users can photograph a math problem and receive detailed solutions and explanations. It is a useful online resource for comprehending mathematical ideas and methods of problem-solving.
- ✚ Google Classroom: A programme called Google Classroom makes it easier for

teachers and students to collaborate and study online. Students can access course materials, turn in assignments, take part in discussions, and communicate with their instructors and fellow students via the mobile app.

These are only a few instances of mobile apps for education that give users access to e-resources. It is worthwhile to investigate specific apps linked to your areas of interest or learning needs as there are many additional applications available across a variety of subjects and educational levels.

An Overview about SXUK and Its Library

Typically, SXUK stands for St. Xavier's University, Kolkata, a prestigious university in Kolkata, India. The Jesuits founded the private St. Xavier's University in Kolkata, which is renowned for its devotion to holistic development, academic brilliance, and high standards of instruction. The university provides a comprehensive selection of undergraduate and graduate programmes in a variety of fields, including the arts, sciences, business, administration, mass communication, social work, and more. Its main goal is to give pupils a well-rounded education that mixes demanding coursework with extracurricular pursuits to foster their overall growth. SXUK is dedicated to upholding the highest standards in both teaching and research while promoting an atmosphere that values critical thinking and intellectual curiosity. The university features a committed faculty made up of knowledgeable professors, researchers, and business experts who pass on information and guide students throughout their academic careers. SXUK places a strong emphasis on extracurricular activities, community involvement, and social service in addition to academic programmes. The institution promotes student involvement in volunteer work, student clubs, athletics, and cultural activities to create a vibrant and welcoming campus community. SXUK also places a high importance on research and innovation, giving faculty members and students the chance to work on research projects and enhance their fields of specialisation. A supportive ecosystem for research and innovation may exist at the institution, along with research centres and partnerships with business partners. In general, SXUK works to give students a transformative educational experience that equips them to succeed in the classroom, on the job, and as responsible citizens. It aspires to build an environment that is supportive and intellectually interesting so that students can grow in their abilities,

follow their passions, and have a beneficial influence on society.

A crucial informational hub of St. Xavier's University, Kolkata, is the SXUK Library. It is essential for assisting the university community's teaching, learning, and research endeavours. The library wants to make a variety of academic resources, such as books, journals, databases, and other materials, accessible to students, faculty, and staff. The SXUK Library provides the following major features and services on a regular basis: **Collection:** The library contains a broad assortment of printed and digital resources. Books, magazines, research papers, e-books, e-journals, databases, multimedia resources, and more are included in this category. To meet the requirements of diverse programmes and research interests, the collection includes materials from a variety of academic areas. **Browse and search** for specific books, journals, or other materials in the library's collection using the online catalogue or search engine that the library offers. Through the library's website or certain library management systems, users can access this catalogue. The library provides circulation services that enable patrons to borrow books, reserve items, and renew loans. Most users have accounts with the library, where they may control their borrowing habits, view due dates, and get alerts. **Reference and Research aid:** To assist patrons in locating pertinent material for their academic requirements, librarians and library staff offer reference and research aid. They can help with resource access, research techniques, citation advice, and literature searches. **Interlibrary Loan:** Services for interlibrary loan may be accessible if the library is missing a certain resource. This increases the variety of resources available to users by enabling them to request materials from other libraries that are a part of a cooperative network. Online databases, e-journals, and e-books are only a few of the digital resources and databases that are accessible through the library. Users have simple access to scholarly materials for their research and academic endeavours thanks to the availability of these resources both on and off campus. **Study Areas:** The library may offer specific study areas for solitary study or group work. Desks, chairs, Wi-Fi, and other amenities are provided in these areas to support a favourable study environment. **Workshops & Training:** To improve users' information literacy abilities, research strategies, and efficient use of library resources, the library hosts workshops and training sessions. These courses could go through subjects like academic integrity, citation management, and database

searches. Special Collections and Archives: Some libraries may have special collections or archives that preserve one-of-a-kind or rare items, old papers, manuscripts, or important materials pertaining to certain topics or fields of study. Research purposes may have access to these collections. Library Events and Exhibitions: To encourage reading, highlight recent purchases, and involve the campus community in intellectual and cultural pursuits, the library may host events, exhibitions, or book fairs. It's crucial to remember that the SXUK Library's specific services, resources, and amenities may change. It is advised to go to the library's website or get in touch with the staff directly for comprehensive and current information.

Useful Mobile apps for SXUK Internal Stakeholders

SXUK Library Android Mobile App

In order to give SXUK students, faculty, and staff members easy access to a wealth of academic resources and services, Dr. Stephen G, Assistant Librarian, Fr. Arrupe Central Library of St. Xavier's University, Kolkata, developed the SXUK Library Android mobile app with the assistance of appyt. With a variety of features that improve research and learning, this software acts as a digital entrance to the university library. Access to the university's extensive collection of physical and digital resources is one of the main benefits of the SXUK Library Android app. The app's simple search feature allows users to look up books, journals, research papers, and other items. Users may quickly find and obtain the materials they need thanks to the app's detailed information about each resource, which includes its availability, location, and borrowing status.

Users of the app can manage their library accounts in addition to searching for materials. Users get access to their borrowing history, the ability to renew books, place holds on particular items, and notifications of impending due dates. With the aid of this function, users may effortlessly monitor their library usage and stay clear of late fees and other consequences. Additionally encouraging collaboration and knowledge sharing is the SXUK Library Android app. Users can connect with other students and participate in academic conversations by accessing virtual study spaces and discussion boards. This function promotes group learning and offers a forum for the university community to exchange concepts and knowledge. The software also provides access to a number of databases and online resources. From

within the app, users can browse online journals, e-books, research databases, and multimedia content. This feature expands the convenience and adaptability of the library experience by enabling users to conduct in-depth research and access scholarly publications from their mobile devices.

Additionally, the app offers users personalised recommendations based on their search history and hobbies. Users can utilise this tool to find new materials and keep up with the most recent writings and research in their particular fields. The SXUK Library Android app provides customers with an easy-to-use interface and intuitive design, ensuring a seamless and enjoyable experience. It is a constantly changing tool that satisfies the shifting requirements of the university community since it is frequently updated to include new features and enhancements based on user feedback. In conclusion, the SXUK Library Android app is a useful tool that enables the university's students, teachers, and staff to access and use its extensive collection of resources. With its extensive features, it makes finding resources easier, encourages collaboration, and improves the research and learning process as a whole.

EBSCO Mobile App

EBSCO Mobile App: Anytime, Anywhere Research. The EBSCO Mobile app provides users with constant access to the library's content by surfacing search results from all of the library's EBSCO subscriptions. It is free and available to all EBSCO Discovery Service (EDS) and EBSCOhost users. By making research immediately accessible to consumers wherever they may be via an intuitive interface, the EBSCO Mobile app increases the library's reach. The EBSCO mobile app was created by EBSCO Information Services, a preeminent supplier of research databases and library resources. It is a flexible and user-friendly application. The app is made to give users easy access to a variety of academic and intellectual resources, making it a priceless resource for professionals, researchers, and students. The EBSCO mobile app's capacity to link users to a vast array of research databases and electronic resources is one of its primary features. Users can look for academic books, journals, articles, e-books, conference papers, and other materials across a range of subject areas. Users of the app can refine their searches and access extremely relevant and precise results thanks to the app's support for sophisticated search features. The app's fluid and user-friendly interface makes it simple to navigate

and browse search results. Users may easily access abstracts, citation information, and full-text articles. The programme also offers tools for organising and preserving search results, allowing users to build custom libraries and quickly access key resources.

The ability to access content offline is another noteworthy aspect of the EBSCO mobile app. Users have the option of downloading articles, e-books, and other content to their devices, which enables them to access content even when they are not connected to the internet. Users who need to access resources while on the go or in places with spotty internet will find this option to be extremely helpful. Users can annotate articles and e-books right inside the app thanks to the note-taking and highlighting features supported by the app. Users have the ability to create and manage their own notes, which are synced across devices and make their annotations available from any location.

The EBSCO mobile app also offers tailored features to improve user experience. Users can register for accounts and configure preferences, such as saving searches, configuring alerts for new information, and setting up email notifications for saved searches. Users can keep up with the most recent research in their areas of interest thanks to these capabilities. Through the use of authentication and encryption techniques to safeguard user data, the EBSCO mobile app places a high priority on security and privacy. It guarantees the privacy and security of users' research activities and personal information. In general, the EBSCO mobile app is a thorough and essential tool for gaining access to scholarly resources. The app gives users the freedom to do research, remain updated, and utilise top-notch academic resources wherever they are thanks to its huge database collection, user-friendly layout, offline access capability, and personalised features.

SCC Online App

A prominent legal publishing company called Eastern Book Company (EBC) created the robust and user-friendly SCC Online mobile app. The app is made to offer quick access to a sizable database of legal data, case law, and legal analysis to legal professionals, scholars, and law students.

The comprehensive case law database of the SCC Online mobile app is one of its standout qualities. An extensive selection of Indian court rulings, including those from the Supreme Court of India, High Courts,

and other Tribunals, are accessible through the app. The app offers thorough summaries and full-text versions of the judgements, and users may search for cases using the names of the parties, the citation, or certain keywords. Users can utilise this tool to keep up with the most recent legal developments and make wise decisions. Additionally, a variety of legal study resources are accessible through the app, including legal analysis, legislation, rules, and regulations. Within the app, users can browse legal manuals, legal journals, and articles from top legal publishers. Researchers and legal professionals can now easily access a multitude of legal information thanks to this tool. Additionally, the SCC Online mobile app offers robust search capabilities and sophisticated filters to hone search results. To obtain the most pertinent legal information, users can quickly limit down their searches by jurisdiction, court, date, and other factors. The programme also provides cross-referencing and citation capabilities so users may quickly track down references and citations inside the legal database.

The app's user-friendly interface and simple navigation make it simple to search through legal documents and case law. Users can organise their research, build personalised libraries, and save and bookmark cases and materials for later use. Users can annotate and highlight significant passages in legal papers using the app's note-taking and highlighting functions. The SCC Online mobile app also provides customised features and alerts. Users have the option to register and set up alerts for particular legal terms or themes. The app keeps users up to date on the most recent developments in their areas of interest by sending notifications for new decisions, legal updates, and articles based on their interests.

The software places a strong emphasis on data privacy and security. Through secure authentication and encryption mechanisms, user data and research activities are safeguarded. In conclusion, the SCC Online mobile app is a crucial resource for researchers and legal professionals. The app makes it possible for users to quickly access and analyse legal information, keep up with legal changes, and improve their legal study and practise thanks to its comprehensive library of case law, legal resources, advanced search functions, and personalised features.

HeinOnline App

William S. Hein & Co., Inc. created the HeinOnline mobile app, a comprehensive and user-friendly programme. It is intended to give consumers easy

access to a sizable library of academic and legal research resources. The app offers a variety of tools to improve the research and learning process and caters to the needs of legal professionals, researchers, libraries, and students. The enormous library of intellectual and legal papers available through the HeinOnline mobile app is one of its standout features. Legal journals, law reviews, precedents, treaties, international agreements, and much more are all accessible to users. The app is a useful resource for comparative legal research and analysis because it provides a wide variety of legal content from different countries. Users of the programme can conduct advanced searches within the HeinOnline database to look for certain articles, cases, statutes, or other legal documents. The search results are very precise and may be narrowed down using many filters, including publication, date, author, and subject. Users may quickly find pertinent materials and carry out in-depth legal study thanks to this feature. Additionally, the HeinOnline mobile app provides offline access to a few periodicals and documents. Users can save articles, legal encyclopaedias, and other files on their devices so they can access them offline or in places with spotty internet service. Researchers and legal professionals who need to access information while on the go or in circumstances when easy access to the internet is not possible may find this option to be especially helpful. Users can highlight key passages, make notes, and store their research findings using the app's bookmarking, highlighting, and annotating tools. Users can set up personal libraries, arrange their downloaded content, and sync their annotations between several devices. With the help of this function, users may effectively manage their research while increasing productivity.

The HeinOnline mobile app also provides seamless integration with a number of citation management tools, making it simple for users to cite and reference the content they find there. Users have the option to export citations in well-liked citation styles like APA, MLA, or Bluebook, which makes it easier to write research papers or legal documents. The app offers an appealing user interface, consistent reading across devices, and pleasant navigation. In order to guarantee that users have access to the most recent legal research resources, it is frequently updated with new papers and features. In conclusion, the HeinOnline mobile app is a useful resource for legal academics, students, and professionals. The app gives users the tools they need to perform in-depth legal research, keep abreast of legal changes, and improve

their scholarly work. These tools include a comprehensive library of legal materials, advanced search capabilities, offline access, annotation features, and interaction with citation management software.

Pearson elibrary Mobile App

With the Pearson eLibrary app, you can study whenever and wherever you want, even without an Internet connection. Users who desire quick and simple access to the top-notch collection of academic eBooks should utilise Pearson eLibrary as their learning partner. In the fields of business and economics, computer science, engineering, humanities and social sciences, mathematics, and sciences, users have access to more than 4000 national and international titles.

McGraw Hill ebooks App

The McGraw Hill ebooks app is your entry point to the publisher's extensive library of top-notch electronic books in subjects including engineering, management, computing, technology, the humanities, test preparation, and more. An industry-leading e-content aggregation platform for public, academic, and professional libraries worldwide is called iPublish Central (iPC). The app is an essential learning tool for users thanks to its simple user interface, which enables quick access to information. Flexible authentication, thorough search and retrieval, and the capability for individual users to mark and store searches and notes for access at a later time all assist this. Users can browse the information and choose the best display options for the greatest user experience.

LexisNexis ebooks App

The LexisNexis mobile app was created by LexisNexis, a top supplier of legal research and business information solutions. It is a strong and feature-rich application. The software is made to give legal experts, researchers, and students easy access to a variety of legal tools and materials on their mobile devices. The wide library of legal research resources available through the LexisNexis mobile app is one of its standout features. Comprehensive databases of case law, statutes, regulations, legal treatises, legal news, and other legal materials are available to users. The software gives users access to a wide range of legal content from many different countries, enabling them to perform in-depth research. Users of

the app can conduct advanced searches within the LexisNexis database to look for certain cases, statutes, or legal subjects. Filters like jurisdiction, date, and source are available for users to use to narrow their searches. With the aid of this tool, users may easily find pertinent legal texts and gather insightful data for their practise and research.

The LexisNexis mobile app also includes tools that boost efficiency and productivity. Users have the option to bookmark cases, statutes, or search results for later use, making it simple to return crucial information. Additionally, the software offers capabilities for highlighting and annotating text, allowing users to highlight important parts and add notes right inside the papers. These characteristics support managing and organising research insights and findings. Additionally, the app provides offline access to some materials. Users have the option of downloading cases, statutes, or other legal papers to their mobile devices so they can access the information even when there is no internet connection or only a spotty one. Legal professionals may carry on their research and access crucial information when on the go or in circumstances where internet access is not always available thanks to this offline capabilities. The LexisNexis mobile app offers personalised features and notifications in addition. To receive alerts and updates on particular legal issues, cases, or developments, users can create accounts and customise their preferences. Depending on the user's selections, the app can deliver notifications for new case law, legal news, or updates, assisting users in staying up to date on the most recent legal material in their areas of interest. The software places a strong emphasis on data privacy and security. Through secure authentication and encryption mechanisms, user data and research activities are safeguarded. In conclusion, the LexisNexis mobile app provides a thorough resource for researchers, students, and legal professionals. The app gives users the tools they need to perform efficient legal research, stay up to date on legal developments, and improve their legal practise. These tools include a large library of legal materials, advanced search capabilities, offline access, productivity features, and personalised notifications.

AIR Infotech Mobile App

The things the legal fraternity works with on a daily basis are committed to excellence in legal search research on the most recent legal updates, court decisions, and law papers, etc. Therefore, AIR Infotec guarantees that our top-notch legal search tool will be

of 100% assistance to legal professionals and law students.

QR & Barcode Scanner App

The fastest QR code and bar code scanner available is the QR & Barcode Scanner app. Every Android device has to have the QR & Barcode Scanner as a QR reader. The QR & Barcode Scanner / QR code reader is really simple to use; with rapid scan built in, just point the free QR code scanner app at the barcode or QR you wish to scan, and the QR scanner will begin scanning it immediately. There is no need to take images, adjust zoom, or click any buttons because the barcode reader operates automatically.

SWAYAM Mobile App

SWAYAM is a government-sponsored initiative that aims to uphold the three guiding principles of Indian education policy—access, equity, and excellence. The goal of this initiative is to make the best teaching and learning tools available to everyone, even the most disadvantaged. SWAYAM aims to close the digital divide for students who, up until now, have not experienced the digital revolution and are unable to participate in the knowledge economy.

NDLI Mobile App

The National Digital Library of India (NDL India) pilot project was started by the Ministry of Human Resource Development as part of its National Mission on Education through Information and Communication Technology. Its goal is to create a framework for a virtual repository of learning resources with a single-window search facility. Focused searching is made easier by the use of filtered and federated searching, allowing students to access the appropriate resource quickly and easily. NDL India offers interface support for the most popular vernacular languages and is built to hold content in any language. All academic levels, including researchers and lifelong learners, all academic subjects, all widely used forms of access devices, and students with disabilities will be supported.

ePathshala Mobile App

The extensive use of ICTs in the teaching and learning process has been advocated by the "Digital India" initiative. The National Council of Educational Research and Training (NCERT), the

Ministry of Education (MoE), and the Government of India collaborated to create the ePathshala, a platform for showcasing and disseminating all educational e-resources, including periodicals, audio, video, and textbooks. The ePathshala Mobile app is made to help with SDG Goal No. 4, which focuses on bridging the digital divide and ensuring that everyone has access to equitable, high-quality education and lifelong learning opportunities.

ResearchGate Mobile App

The ResearchGate smartphone app was created by ResearchGate, a social networking site for researchers and scientists, and is practical and easy to use. The software is intended to give academics quick access to scholarly works, possibilities for teamwork, and a network of peers in their specific professions. The ResearchGate mobile app's capability to link scholars globally is one of its primary advantages. Users of the app can make profiles, share their areas of interest in study, and connect with other researchers. Users have the option to collaborate with others, follow colleagues, and get updates on their progress. This function encourages a sense of neighbourhood and promotes networking among scholars. Access to a sizable library of academic articles is also made available through the app. On their mobile devices, users can instantly search for and download scholarly items such as research articles, preprints, conference proceedings, and more. To assist users in finding pertinent research in their areas of interest, the app provides a number of filters and search options. With the help of this tool, scholars can access a variety of information and stay current on the most recent advances in science.

The ResearchGate mobile app additionally enables users to present their own research. Journal articles and conference papers can all be uploaded by researchers to their profiles. Researchers can use this feature to share their work with a larger audience, get feedback, and make their research more visible. The programme also makes it easier for researchers to work together. Users have the option to start new groups or join those that already exist, opening doors for interdisciplinary cooperation and knowledge exchange. The app's capabilities, which include file sharing, project discussions, and event notifications, improve researcher collaboration and communication. The ResearchGate mobile app also provides tailored features and suggestions. Based on their interests and actions, users receive personalized recommendations for pertinent research publications, colleagues to

follow, and research groups to join. Users can utilise this tool to find fresh research and widen their professional networks.

The app gives privacy and security top priority. Users have complete control over who can see their research and personal information since they can manage the accessibility of their papers and profiles. In conclusion, researchers can benefit greatly from the ResearchGate mobile app. The app fosters communication, cooperation, and knowledge exchange among academics worldwide with its networking features, access to academic papers, collaborative tools, and personalised recommendations.

Conclusion

It is quite efficient to provide library information products and services online by implementing the mobile app to improve library services. Compared to webpages, mobile applications are significantly simpler to use and offer a superior user experience. In order to improve user experience and plan for next upgrades and revisions, libraries can also analyse user activities. Mobile applications, despite some drawbacks, are ultimately helpful for mass communication. The moment is right for library and information professionals to adopt cutting-edge technology. In academic libraries, the purchase and assessment of mobile apps are becoming increasingly important. Mobile-enabled users demand library information that is tailored to their needs and their devices. Librarians must treat apps as an emerging resource category at the intersection of content and format in order to construct adaptable collections. Librarians can establish a need for these resources as an emerging format capable of producing fresh insight because of its ability to on-demand access by documenting user requests and behaviour with reference to point-of-need apps. Mobile applications can be a useful tool for collection development since they can allow new study modalities, but they can also be a key way to access special content that is only available in this format. It will be easier for librarians at all kinds of institutions to create collections that are more responsive if they develop best practises for serving the mobile user.

Numerous facets of higher education have been transformed by mobile applications, which have many advantages for institutions, professors, and students. St. Xavier's University Kolkata's Fr. Arrupe Central Library seeks to improve user experience,

boost resource accessibility, and give practical tools for research, study, and engagement with the library's offerings. In general, mobile applications have the power to revolutionise higher education by delivering open, adaptable, and interesting learning opportunities and boosting administrative effectiveness across educational institutions.

References

1. William T. Caniano and Amy Catalano, (2014) Academic Libraries and Mobile Devices: User and Reader Preferences, *Reference Librarian* 55 (4), 298–317.
2. Shun Han Rebekah Wong,(2012). Which Platform Do Our Users Prefer: Website or Mobile App? *Reference Services Review* 40(1), 103–15.
3. Bowen, K., & Pistilli, M. D. (2012). Student preferences for mobile app usage. *Edu-cause Research Bulletin*.
4. Canuel, R., MacKenzie, E., Senior, A., & Torabi, N. (2016). Apps for academic success: Developing digital literacy and awareness to increase usage. *Education for Information*, 33(3), 1–18. <https://doi.org/10.3233/EFI-160085>
5. Hennig, N. (2014). *Apps for librarians: Using the best mobile technology to educate, create and engage*. Libraries Unlimited. <https://ebookcentral-proquest-com.ezproxy.waikato.ac.nz/lib/waikato/detail.action?docID=1813321>
6. Akkara, S. (2020). Enhancing Second Language Listening Skills Through Smartphones: A Case Study. In *Internet of Things, Infrastructures and Mobile Applications: Proceedings of the 13th IMCL Conference* 1192., 347). Springer Nature.
7. Mihail-Văduva D. (2020). The impact of a multimedia mobile application. *Proceedings of the IE 2020 International Conference*. 10.24818/ie2020.01.06
8. Younes, S. S., Alharbi, A. H., & Aboeldahab, M. M. (2021). Measuring the impact of an AI-enabled mobile application for university students. *Mobile Information Systems*.
9. Skiba DJ. (2011) On the horizon mobile devices: are they a distraction or another learning tool? *NursEducPerspect*. 32(3):195–7.
10. Junaid, S.M., Jamil, B., Khan, M.A. *et al.* (2023). Smartphone as an educational tool” the perception of dental faculty members of all the dental colleges of Khyber Pakhtunkhwa - Pakistan. *BMC Med Educ* 23, 122 <https://doi.org/10.1186/s12909-023-04093-8>.
11. Hinze, A., Vanderschantz, N., Timpany, C. *et al.* (2022). A Study of Mobile App Use for Teaching and Research in Higher Education. *Tech Know Learn*. <https://doi.org/10.1007/s10758-022-09599-6>.
12. https://heinonline.org/HeinDocs/HeinOnlineApp_UsersGuide.pdf